

IFC-9450

Low-Profile Mini-ITX Embedded Computer



Industry-Leading Features & Compact Size

The InForce IFC-9450 delivers unprecedented embedded computer features in an extremely power-efficient, low-profile mini-ITX platform. Powered by the Intel® Atom™ Processor E6xx, the IFC-9450 is packed with crucial features that solve today's design challenges for connectivity, user interface, storage and size. These features make the platform ideal for demanding applications including point-of-sale terminals, digital signage, kiosks and other all-in-one (AIO) system solutions that require reliable operation in difficult environments.

System Design Benefits

Comprehensive I/ O Connectivity: The IFC-9450 includes 6 serial, 4 USB, LPT/printer and GPIO interfaces for easy integration to common devices.

Low-Profile: Integrates easily into small form factors such as on-board systems due to fanless design and solid-state storage.

Power Protection: Low power design includes a battery-charging circuit for uninterrupted operation in unreliable power conditions.

Extended Temperature: Supports standard operating temperature of 0-70C to provide worry-free operation in outdoor & closed environments.

Processing & Performance

- ◆ Intel® Atom™ Processor E6xx, 1.6 GHz
- ◆ Up to 2 GB on-board DDR2
- ◆ OS Compatibility: Windows® XP, Linux & Android

I/ O, Graphics & Storage

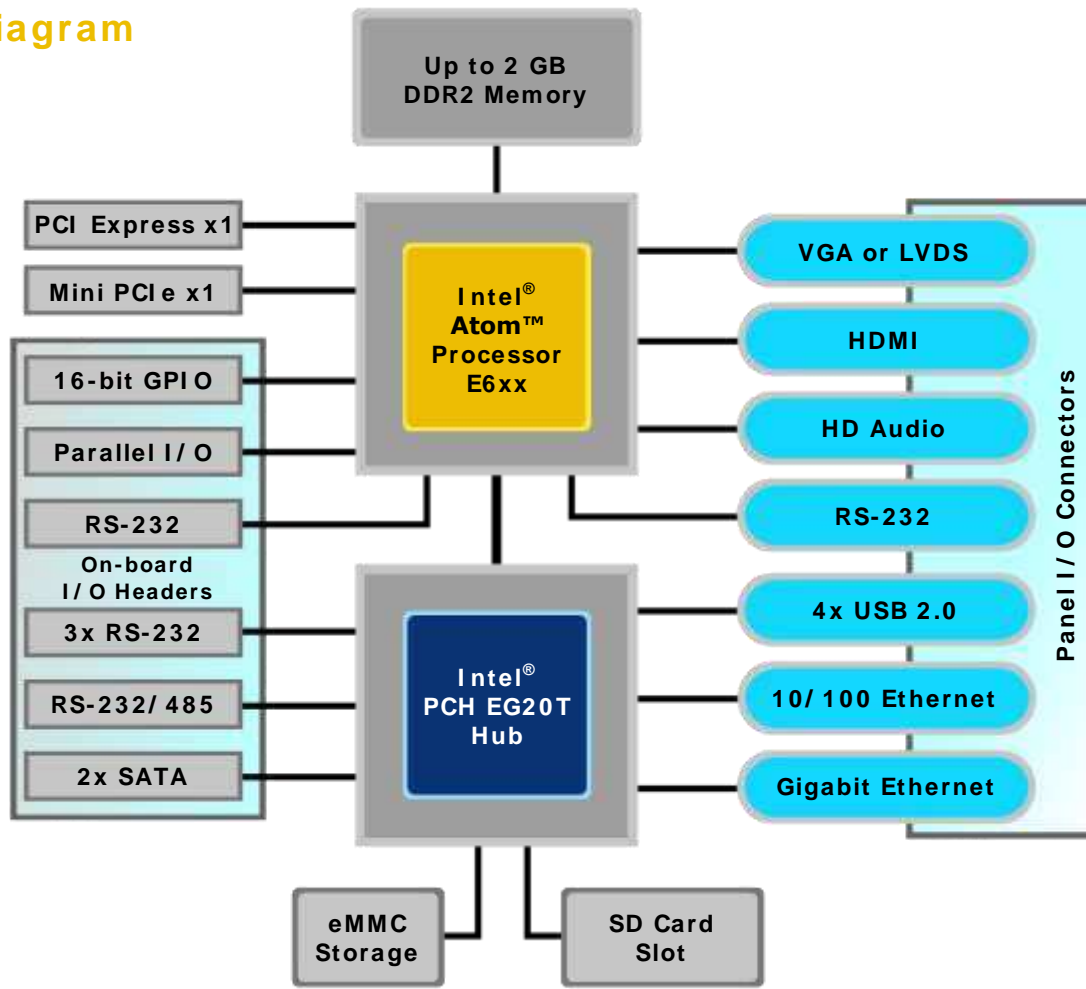
- ◆ 6x RS-232, 4x USB 2.0, LPT & GPIO
- ◆ Gigabit & 10/100 Ethernet
- ◆ Supports dual independent displays with hardware accelerated H.264 decode (up to 1080p)
- ◆ Available interface for LVDS-based flat panels & touch screens
- ◆ HD Audio with mic & speaker
- ◆ Standard PCIe, Mini-PCIe expansion slots
- ◆ Low-profile eMMC, SD Card & dual SATA

Applications

- ◆ Kiosks
- ◆ Digital Signage
- ◆ All-in-One Systems
- ◆ Outdoor Terminals
- ◆ Point-of-Service (POS)
- ◆ On-board Commerce



Block Diagram



Technical Specifications

Processor, Chipset & Memory

- ◆ Intel® Atom™ Processor E6xx, 1.6 GHz
- ◆ Intel® Platform Controller Hub EG20T
- ◆ Up to 2 GB DDR2 Memory, 800 MT/s

Network Interfaces

- ◆ Gigabit Ethernet with WoL
- ◆ 10/100 Ethernet with WoL
- ◆ Wireless LAN support on Mini-card slot

Video, Audio and I/O Interfaces

- ◆ VGA or LVDS connector
- ◆ HDMI connector
- ◆ HD Audio connectors
- ◆ 6 RS-232 (1 selectable as RS-485)
- ◆ 4 USB 2.0
- ◆ Parallel I/O
- ◆ 16-bit GPIO
- ◆ PCIe x1 or MiniPCIe x1

Storage Interfaces

- ◆ 2 SATA ports (150 Mb/s per port)
- ◆ SD Card Slot and eMMC (optional)

Power, Mechanical & Environmental

- ◆ Power: +12V Input Socket (5A min.)
- ◆ Dimensions: 17 cm x 17 cm (Mini-ITX)
- ◆ Operating Temperature: 0 to 70 C
- ◆ Storage Temperature: -20 to 80 C
- ◆ Relative Humidity: 5 to 95% non-condensing
- ◆ RoHS compliant

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